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PUBLIC INFORMATION STATEMENT
NATIONAL WEATHER SERVICE MILWAUKEE/SULLIVAN WI
200 PM CDT FRI JUL 15 2005

...DROUGHT STATEMENT FROM THE NATIONAL WEATHER SERVICE...
...WISCONSIN GOVERNOR DECLARES STATEWIDE EMERGENCY DROUGHT...
...SEVERE TO MODERATE DROUGHT IN SOUTHERN WISCONSIN...
...TOP 5 DRIEST PERIOD FOR APRIL THROUGH JULY...

...THIS STATEMENT COVERS THE FOLLOWING AREAS AND COUNTIES IN
WISCONSIN...

CENTRAL (DIVISION 5)...MARQUETTE AND GREEN LAKE.

EAST CENTRAL (DIVISION 6)...FOND DU LAC AND SHEBOYGAN.

SOUTHWEST (DIVISION 7)...SAUK...IOWA AND LAFAYETTE.

SOUTH CENTRAL (DIVISION 8)...COLUMBIA...DODGE...DANE...
JEFFERSON...GREEN AND ROCK.

SOUTHEAST (DIVISION 9)...WASHINGTON...OZAUKEE...WAUKESHA...
MILWAUKEE... WALWORTH...RACINE...AND KENOSHA.

DIVISION REFERS TO AREAS USED IN DROUGHT PREDICTION. A MAP MAY BE
FOUND AT...

[HTTP://WWW.CPC.NCEP.NOAA.GOV/PRODUCTS/ANALYSIS_MONITORING/REGIONAL_MONITORING/CLIM_DIVS/WISCONSIN.GIF](http://www.cpc.ncep.noaa.gov/products/analysis_monitoring/REGIONAL_MONITORING/CLIM_DIVS/WISCONSIN.GIF)

.SYNOPSIS...RAINFALL SINCE APRIL HAS BEEN WELL BELOW NORMAL ACROSS
SOUTH CENTRAL AND SOUTHEAST WISCONSIN. SOUTHERN WISCONSIN IS NOW IN
THE TOP 5 DRIEST PERIOD FOR APRIL 1 THROUGH JULY 15. THE RAINFALL
FROM TROPICAL DEPRESSION DENNIS DID LITTLE TO IMPACT DROUGHT
CONDITIONS THIS PAST WEEK.

HISTORICAL RANKING OF PRECIPITATION SHORTFALL FROM APRIL 1 THROUGH
JULY 15...

DIVISION	RANK	TOTAL	BELOW NORMAL
5	2	7.99	-4.17
6	2	6.48	-4.50
7	5	8.95	-4.40
8	3	8.06	-4.82
9	2	6.82	-5.56

SINCE JULY 1ST...MOST AREAS ACROSS SOUTHERN WISCONSIN RECEIVED LESS
THAN ONE HALF INCH OF RAINFALL. UP TO 1.5 INCHES OR 50 TO 75 PERCENT
BELOW NORMAL. IN CONTRAST...AREAS AROUND MILWAUKEE TO THE NORTH AND
WEST RECEIVED BETWEEN ONE AND TWO INCHES BUT WERE STILL 20 TO 30
PERCENT BELOW NORMAL

SINCE APRIL 1ST...FIVE TO TEN INCHES OF RAINFALL FELL WITH MOST
LOCALES EXPERIENCING A SHORTAGE OF RAINFALL BETWEEN 4 AND 8 INCHES

OR 30 TO 50 PERCENT BELOW NORMAL. A FEW SPOTS WERE NEARLY 75 PERCENT BELOW NORMAL INCLUDING THE FAR SOUTHEAST COUNTIES.

SINCE JANUARY 1ST...PRECIPITATION OF 10 TO 20 INCHES WAS RECORDED BUT DEFICITS RANGED FROM 3 TO 6 INCHES OR 10 TO 30 PERCENT BELOW NORMAL. A FEW AREAS WERE SHORT BETWEEN 6 AND 9 INCHES OR 30 TO 50 PERCENT OF NORMAL.

.LOCAL AREAS AFFECTED...ALL 20 COUNTIES WITHIN THE NATIONAL WEATHER SERVICE AT MILWAUKEE/SULLIVANS COUNTY WARNING AREA ARE AFFECTED BY MODERATE OR SEVERE DROUGHT.

SEVERE DROUGHT (D2) CONDITIONS HAVE DEVELOPED ACROSS KENOSHA...RACINE...MILWAUKEE...OZAUKEE...WASHINGTON...WAUKESHA...AND WALWORTH COUNTIES IN SOUTHEAST WISCONSIN.

DURING SEVERE DROUGHT...CROP OR PASTURE LOSSES ARE LIKELY...THE FIRE RISK IS VERY HIGH...WATER SHORTAGES ARE COMMON...AND WATER RESTRICTIONS MAY BE IMPOSED.

MODERATE DROUGHT (D1) CONDITIONS HAVE DEVELOPED ACROSS MARQUETTE AND GREEN LAKE COUNTIES IN CENTRAL WISCONSIN...FOND DU LAC AND SHEBOYGAN COUNTIES IN EAST CENTRAL WISCONSIN...SAUK...IOWA...AND LAFAYETTE COUNTIES IN SOUTHWEST WISCONSIN...AS WELL AS COLUMBIA...DODGE...DANE...JEFFERSON...GREEN...AND ROCK COUNTIES IN SOUTH CENTRAL WISCONSIN.

DURING MODERATE DROUGHT...THERE MAY BE SOME DAMAGE TO CROPS AND PASTURES...THE FIRE RISK IS HIGH...STREAMS...RESERVOIRS...OR WELLS MAY BE LOW...SOME WATER SHORTAGES MAY BE DEVELOPING OR IMMINENT...AND VOLUNTARY WATER USE RESTRICTIONS ARE REQUESTED.

FOR THE LATEST DROUGHT INFORMATION GO TO...
[HTTP://WWW.DROUGHT.UNL.EDU/DM/MONITOR.HTML](http://WWW.DROUGHT.UNL.EDU/DM/MONITOR.HTML)

.CLIMATE SUMMARY...RAINFALL AMOUNTS HAVE BEEN WELL BELOW NORMAL SINCE APRIL 1. THE CURRENT WEATHER PATTERN CONSISTING OF SEVERAL CANADIAN HIGH PRESSURE SYSTEMS SETTLING ACROSS THE MIDWEST WILL CONTINUE TO PRODUCE DRY...HOT DAYS. THE PATTERN WILL BE SLOW TO ERODE...AND IS FORECAST TO CONTINUE THROUGH THE END OF JULY.

PRECIPITATION (ESTIMATED...SUBJECT TO CHANGE...INCHES)...

LOCATION	SINCE JAN 1	DEP	RANK	SINCE APR 1	DEP	RANK
MILWAUKEE	13.62	-4.48	12	7.79	-4.36	10
MADISON	12.96	-4.28	7	7.60	-5.39	2
SHEBOYGAN	10.39	-5.57	4	4.27	-6.85	1
KENOSHA	10.98	-7.32	2	5.14	-7.58	1
WAUKESHA	9.66	-7.88	7	5.07	-7.40	3
BELOIT	12.18	-6.14	10	6.24	-7.11	5
DODGEVILLE	10.47	-7.79	10	6.18	-7.40	8

.SOIL MOISTURE CONDITIONS...SOIL MOISTURE TO 6 FEET IS 15 TO 25 PERCENT BELOW NORMAL OR 1 TO 2 INCHES SHORT. THE TOP 12 INCHES IS 20 TO 40 PERCENT OF NORMAL OR ABOUT ONE HALF INCH SHORT.

FOR THE LATEST SOIL MOISTURE INFORMATION GO TO...
[HTTP://MRCC.SWS.UIUC.EDU/WATCH/DROUGHT/MOISTURE.HTM](http://MRCC.SWS.UIUC.EDU/WATCH/DROUGHT/MOISTURE.HTM)

.RIVER AND STREAM FLOW CONDITIONS...MOST RIVERS AND STREAMS ACROSS SOUTH CENTRAL AND SOUTHEAST WISCONSIN ARE RUNNING WELL BELOW NORMAL. THE CURRENT RIVER LEVELS IN SOUTHEAST RIVERS ARE AT OR WITHIN ONE HALF FOOT OF REACHING RECENT LOW LEVELS RECORDED IN SEPTEMBER 2003.

FOR THE LATEST RIVER AND STREAM FLOW CONDITIONS GO TO...
[HTTP://WEATHER.GOV/MILWAUKKEE](http://WEATHER.GOV/MILWAUKKEE) OR [HTTP://WATERDATA.USGS.GOV](http://WATERDATA.USGS.GOV)

.GROUNDWATER...THE CURRENT WELL WATER LEVEL IS 11.90 FEET BELOW GROUND LEVEL. THE LOWEST LEVEL ON RECORD WAS 15.86 FEET BELOW THE GROUND LEVEL ON 15 OCTOBER 1965. THE HIGHEST LEVEL ON RECORD WAS 5.09 FEET BELOW THE GROUND LEVEL ON 24 APRIL 1993. THIS DATA IS BASED ON DANE COUNTY RECORDS AT MAZOMANIE.

.AGRICULTURAL IMPACTS...AS OF JULY 11...SEVERAL DROUGHT IMPACTS HAVE BEEN NOTED.

.FOND DU LAC COUNTY...THE SECOND CROP HAY IS SHORT.

.KENOSHA COUNTY...THERE WILL NOT BE MUCH OF ANY CROP THIS YEAR IF RAINFALL IS NOT RECEIVED SOON.

.WALWORTH COUNTY...THERE WILL NOT BE A THIRD HAY CROP IF RAIN IS NOT RECEIVED.

.GREEN COUNTY...CORN IN SHALLOW SOIL IS VERY SHORT AND SHOWING SIGNS OF MOISTURE STRESS DURING THE DAY. EARLY PLANTED CORN FIELDS ARE STARTING TO SILK...BUT SUBSTANTIAL YIELD LOSSES ARE LIKELY WITHOUT SOME RAINFALL. LITTLE REGROWTH WAS EVIDENT FOLLOWING THE SECOND CROP HAY HARVEST.

.DANE COUNTY...THE NORTH HALF OF THE COUNTY SHOWED AREAS WHERE BOTH CORN AND SOY FIELDS HAVE PORTIONS WHERE ALL PLANTS HAVE DIED. SECOND CROP HAY WAS VERY SHORT.

DRY WEATHER FOR MOST OF LAST WEEK ENABLED WISCONSIN FARMERS OVER 6 DAYS OF FIELDWORK. NEARLY 100 PERCENT OF OATS WERE HEADED. THE AVERAGE HEIGHT OF CORN WAS ABOVE THE 5-YEAR AVERAGE. SOYBEANS WERE WELL AHEAD OF LAST YEAR...RANGING FROM A 50 PERCENT BLOOM OVER THE SOUTH...DROPPING OFF TO AROUND A 20 PERCENT BLOOM TOWARDS CENTRAL SECTIONS. FIRST CUTTING HAY IS NEARLY COMPLETE AND SECOND CUTTING HAY IS AROUND HALF FINISHED...BOTH AHEAD OF LAST YEAR.

TOPSOIL MOISTURE SUPPLY RATINGS FOR SOUTHEAST AND EAST CENTRAL COUNTIES AVERAGED 98 PERCENT SHORT OR VERY SHORT. TOPSOIL MOISTURE SUPPLY RATINGS FOR SOUTH CENTRAL COUNTIES AVERAGED 72 PERCENT SHORT OR VERY SHORT. CENTRAL AND SOUTHWEST WISCONSIN HAD TOPSOIL MOISTURE SUPPLY RATINGS WERE 40 PERCENT SHORT OR VERY SHORT. ADDITIONAL INFORMATION MAY BE OBTAINED FROM THE USDA WEB SITE AT...
[HTTP://WWW.NASS.USDA.GOV/WI/CROPWEATHER/INDEX.HTM](http://WWW.NASS.USDA.GOV/WI/CROPWEATHER/INDEX.HTM)

.FIRE DANGER IMPACTS... CONDITIONS ARE VERY DRY WITH 10 HOUR FUEL MOISTURES OF 7 TO 10 PERCENT...WITH 100 HOUR FUEL MOISTURES AT 11 TO 15 PERCENT. INCREASED FIRE BEHAVIOR IS OCCURRING WITH FIRES. DNR

PERSONNEL COMMENTED THAT THE CURRENT CONDITIONS ARE SIMILAR TO THE
SUMMER OF 1988. OVERALL A MODERATE FIRE DANGER RATING CONTINUES.
ADDITIONAL INFORMATION MAY BE OBTAINED AT...
[HTTP://WWW.FS.FED.US/EACC/PREDICTIVE_SERVICES/INDEX.SHTML](http://WWW.FS.FED.US/EACC/PREDICTIVE_SERVICES/INDEX.SHTML). THE
LATEST FIRE DANGER REPORT FOR WISCONSIN MAY BE FOUND AT...
[HTTP://WORKPLAN.ORG/FORESTRY/FIREREPORT/PUBLIC/REPORTS/WDNR-FIRE_REPO
RT.ASP](http://WORKPLAN.ORG/FORESTRY/FIREREPORT/PUBLIC/REPORTS/WDNR-FIRE_REPORT.ASP)

.PRECIPITATION OUTLOOKS...THE 30 DAY PRECIPITATION OUTLOOK FOR THE
REST OF JULY INDICATES EQUAL CHANCES OF ABOVE...NEUTRAL OR BELOW
NORMAL RAINFALL.

THE 90-DAY OUTLOOK FOR AUGUST...SEPTEMBER AND OCTOBER FOR SOUTHERN
WISCONSIN AND NORTHERN ILLINOIS... THERE ARE EQUAL CHANCES OF
ABOVE... NEUTRAL...OR BELOW NORMAL RAINFALL. BASED ON
CLIMATOLOGY...THERE IS A 50 PERCENT CONFIDENCE INTERVAL FOR RAINFALL
AMOUNTS BETWEEN 8 AND 13 INCHES...WITH A MEAN OF AROUND 10 INCHES.

FIVE TO SIX INCHES OF RAINFALL ARE NEEDED TO END THE CURRENT
DROUGHT.

.ADDITIONAL INFORMATION CAN BE OBTAINED FROM THE CLIMATE PREDICTION
CENTER (CPC) OUTLOOK WEB SITE AT...
[HTTP://WWW.CPC.NCEP.NOAA.GOV/PRODUCTS/PREDICTIONS/](http://WWW.CPC.NCEP.NOAA.GOV/PRODUCTS/PREDICTIONS/)

.IF YOU HAVE ANY QUESTIONS OR COMMENTS ABOUT THIS INFORMATION PLEASE
CONTACT...

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.ACKNOWLEDGEMENTS...NOAA CLIMATE PREDICTION CENTER...MIDWEST
REGIONAL CLIMATE CENTER...HIGH PLAINS REGIONAL CLIMATE
CENTER...UNITED STATES GEOLOGICAL SURVEY...WISCONSIN DEPARTMENT OF
NATURAL RESOURCES...UNITED STATES DEPARTMENT OF AGRICULTURE...
NATIONAL WEATHER SERVICE LA CROSSE WISCONSIN AND NATIONAL WEATHER
SERVICE SPRINGFIELD MISSOURI.

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EISE/WOOD/HANSING/KONOP/STAFF NWS MILWAUKEE SULLIVAN